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Kansas Technical Professions



Volume 9 No. 1

January, February, March 2004

Murray L. Rhodes, L.S., receives Distinguished Service Award

At its 2003 Annual Business Meeting, the National Council of Examiners for Engineering and Surveying (NCEES) presented Murray L. Rhodes, L.S., the Distinguished Service Award for his record of dedicated service to the surveying and engineering professions.

During his time on the Kansas Board of Technical Professions, Rhodes has been elected vice chair twice, as well as secretary and chair. He has also served on and chaired numerous board committees including the Board Legislative Committee, the Engineering/Land Surveying Committee, the Committee to Revise the Kansas Law Exam for Land Surveyors, and the Continuing Education Committee.

Rhodes has also been an active member of NCEES and the Central Zone. He was elected Central Zone Assistant Vice President in 1998, and received the Central Zone Distinguished Service Award in 2002. In addition to his work at the zone level, Rhodes has served as a member of the NCEES Committee for Professional Land Surveyors for six years and has served on the Committee on Uniform Procedures and Legislative Guidelines, the Licensure Promotion Task Force, the Committee on Nominations,

and the Special Committee on PAKS-Land Surveying.

The commitment Rhodes shows to the professions also includes promoting licensure. Rhodes has represented and spoken on behalf of the board at over 17 different society meetings and functions. He has been a speaker at nine student forums held at various Kansas state universities. He authored an in-depth article for the Kansas Board quarterly newsletter titled "A New Wave for Surveying and Mapping: a Pragmatic Model Law for Surveying." He has served as president of the Kansas Society of Land Surveyors, the president of KC Metro Surveyors Association, and as area director for the American Congress on Surveying and Mapping. He was a delegate to the annual meeting of the International Federation of Surveyors and Geometres (FIG) from 1988–1992. In 1990, he authored and presented a paper for the FIG meeting on geographic information systems—land information systems. In 1995, the KC Metro Surveyors Association recognized him as Surveyor of the Year, and in 1997 the Kansas Society of Land Surveyors presented him with the Saline County Outstanding Surveyors Award.

Betty L. Rose receives Meritorious Service Award

At its 2003 Annual Business Meeting, the National Council of Examiners for Engineering and Surveying (NCEES) presented Betty L. Rose the Meritorious Service Award for her record of dedicated service to the engineering and surveying professions.

Rose has served as executive director of the Kansas State Board of Technical Professions for 19 years. During her time with the board, she has administered over 65 NCEES examinations. Her work for the NCEES mirrors her work for NCARB and CLARB. She is a dedicated public servant and contributor to local, regional, and national endeavors.

Under her tutelage, the Kansas Board has expanded its communications offerings, which now include a four-color quarterly newsletter and an interactive web site.

CLARB 2003 Annual Meeting

The CLARB Annual Meeting was held September 11 – 13 in Salt Lake City, Utah. William P. "Chip" Winslow, III, Kansas Board member, completed his year as President of the council at this meeting. In addition to Chip, attending the meeting were Betty Rose, executive director, and Jean Boline, Board office staff.

Several workshops were held on the first day of the meeting. These included a Member Board Administrator's workshop. Topics of discussion were tools available to boards from CLARB headquarters, barriers to reciprocity, and exam schedule changes. Other workshop topics included exam issues, understanding CLARB finances and international practice issues. Representatives from Mexico and Canada participated in the discussion of international practice.

Friday was the first general business session and regional meetings. During the general session the group heard reports from CLARB Executive Director Clarence Chaffee and CLARB officers. The regional meetings are a time to gather with surrounding states to discuss issues in depth. Kansas is a member of Region IV along with Colorado, Nebraska, New Mexico, North Dakota,

Oklahoma, South Dakota, and Wyoming. Much time was spent in discussion with Craig Coronato from Colorado. Colorado does not presently have a landscape architecture licensing law. They are proposing legislation for licensure during the next legislative session. Each state with a representative present reported on issues in their state and the group discussed the resolutions to be voted on at the second general business session.

Saturday began with a workshop titled "Reinventing Association Governance" led by Linda Ridge, consultant. The discussion centered on organization and approaches that would get the most from participants in the organization. The second general business session consisted of reports from the regional meetings, votes on the three resolutions brought forward, and election of officers. Two of the resolutions passed made changes in the CLARB Bylaws, one in the Mission Statement and one in the procedure for nomination of officers. The third resolution was adoption of the Vision Statement. The session closed with comments by Chip Winslow. The 2004 CLARB Annual Meeting will be held in Philadelphia.



Out-going CLARB President William "Chip" Winslow, III, with Board staff Jean Boline, left, and Executive Director Betty Rose

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Office Hours
8 a.m. – 4:30 p.m.
Please leave a message on our voice mail system at other times.

Office Closings
Our office will be closed on the following dates:
ThursdayJanuary 1, 2004
MondayJanuary 19, 2004
MondayMay 31, 2004
MondayJuly 5, 2004
MondaySeptember 6, 2004
ThursdayNovember 11, 2004
ThursdayNovember 25, 2004
FridayNovember 26, 2004
FridayDecember 24, 2004

Upcoming Meetings
Check our Web site for updated information on Board meetings.

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AGENCY MISSION

To provide maximum protection of the health, safety and welfare of the people of Kansas by assuring that the practice of engineering, architecture, land surveying, landscape architecture and geology in the state is carried out only by those persons who are proven to be qualified as prescribed by the statutes and rules and regulations of the Board of Technical Professions.

Programs Established To Assist With Agency Mission
Licensing, monitoring and regulating of technical professions:
• Examine and certify Intern Engineers
• License, monitor and discipline Engineers
• License, monitor and discipline Architects
• License, monitor and discipline Land Surveyors
• License, monitor and discipline Landscape Architects
• License, monitor and discipline Geologists
• Licensing of Professional and General Corporations

BOARD STAFF

Routing your calls to the numbers below will allow our staff to better assist you by answering questions about the areas they handle. You may also leave a message on our voice mail if we are unavailable and we will return your call promptly.

<u>Call</u> (785) 296-3053	<u>For Information On</u> General information questions, application packet requests, address changes
Pat Johnson (785) 296-4800	Corporations, continuing education
Jean Boline (785) 296-8612	Examinations
Jeannine Harmon (785) 296-3054	Application status, licensure qualifications and foreign degree evaluations
Marilyn Nance (785) 296-4400	Renewals, reinstatements, accounts payable and receivable

MEMBERS OF THE BOARD OF TECHNICAL PROFESSIONS

Larry Hole, P.E., Chair Wichita, KS Engineer Member	Tex New, L.S. Overland Park, KS Land Surveyor Member
Joe Vanderweide, Arch., Vice Chair Garden City, KS Architect Member	Stan Peterson, Arch. Topeka, KS Architect Member
Thomas Mulinazzi, P.E., L.S., Secretary Lawrence, KS Engineer/Land Surveyor Member	F. Glenn Phinney P.E. Overland Park, KS Public Member
Cecil Kingsley, P.E. Lawrence, KS PE/LS Committee Chair Engineer Member	Donald Rathbone, P.E. Manhattan, KS Public Member
Richard Moberly, Geologist DeSoto, KS ARCH/LA/GEO Committee Chair Geologist Member	Murray Rhodes, L.S. Kansas City, KS Land Surveyor Member
Joseph Johnson, Arch. Wichita, KS Architect Member	Kenneth Vaughn, P.E. Prairie Village, KS Engineer Member
Philip Meyer, L.A. Wichita, KS Landscape Architect Member	Mark Bennett, Jr. Board Attorney
	Betty L. Rose Board Executive Director

Notice to All Licensees

The news articles contained in this publication should be treated as official correspondence from the Board of Technical Professions.
This publication is one way that the Board can keep licensees informed of the Board activities and decisions. No State General monies or Board of Technical Professions funds are used to produce this newsletter. The publisher relies on revenue from advertising to finance its publication.



REQUEST FOR SOCIAL SECURITY NUMBER

In anticipation of future online renewal capabilities, the Board is requesting your social security number to enter into our computer database as a way for you to access a possible future online system. If you were licensed prior to 1990, we probably do not have your social security number on file. This is a request not a requirement at this time.

RETURN FORM OR INFORMATION TO:

Address: Kansas Board of Technical Professions
900 SW Jackson St. Ste 507
Topeka KS 66612
Phone: 785-296-4400

Name_____

Profession_____License#_____

Social Security Number _____ - _____ - _____

In Memoriam

The Board and staff wish to extend our sympathies to the families and friends of these individuals who have honored their professions:

<u>Engineers</u>	<u>License #</u>	<u>City, State</u>
Jeffrey A. Chapman	#10569	Fountain Hills, AZ
Arnold E. Eulert	#2538	Wichita, KS
Henry G. Lenbeck	#7632	Overland Park, KS
Leon Maslan	#1706	Overland Park, KS
Donald L. Purvis	#16960	Kennesaw, GA
Dale J. Schmidtberger	#11298	Overland Park, KS
Albert J. Tellson	#12138	Kansas City, MO

Kansas State Board of Technical Professions

Current Licensees

As of 11/01/03

<u>Profession</u>	<u>Resident</u>	<u>Non-Resident</u>	<u>Total</u>
Architects	968	1,570	2,538
Engineers	4,177	5,154	9,331
Landscape Architects	143	221	364
Land Surveyors	526	261	787
Geologists	<u>403</u>	<u>193</u>	<u>596</u>
Total	6,217	7,399	13,616
<u>Engineers-In-Training</u>			14,274
<u>Land Surveyors Fundamentals</u>			24
<u>Geologists Fundamentals</u>			18

<u>Corporations</u>	<u>Resident</u>	<u>Non-Resident</u>	<u>Total</u>
Architects	108	253	361
Engineers	218	532	750
Landscape Architects	19	15	34
Land Surveyors	71	50	121
Geologists	<u>32</u>	<u>34</u>	<u>66</u>
Total	448	884	1,332

Disciplinary Action Taken by the Board

by Mark L. Bennett, Jr.,
Board Attorney

IN THE MATTER OF BERNIE L. KRIEGBAUM, L.S.

Summary: As previously reported in the Board’s Newsletter following an initial complaint against Bernie L. Kriegbaum which was resolved by way of a Settlement Agreement and Consent Order which allowed Mr. Kriegbaum to continue practicing land surveying, the Board received a second complaint regarding Mr. Kriegbaum’s land surveying practices and deviations from accepted land surveying standards and/or the Kansas minimum standards for boundary surveys. The second complaint was resolved by way of a second Settlement Agreement and Consent Order in which Mr. Kriegbaum agreed to the following:

- (1) He would immediately cease and desist from engaging in the practice of land surveying or the performance of mortgage title inspections in the State of Kansas.
- (2) He would immediately surrender his land surveying license and seal.
- (3) He would pay the Board’s investigative expenses in the amount \$1,265.35, attorney fees in the amount of \$788.50 and a fine in the amount of \$1,000.00 for a



Mark L. Bennett, Jr.,
Board Attorney

total of \$3,053.85 on or before May 20, 2003.
Board Action: The Board records now indicate that the terms of the Settlement Agreement and Consent Order as above set forth have been fully complied with by Mr. Kriegbaum and he has surrendered his land surveying license and seal. At the Board’s meeting on September 26, 2003, the case file concerning Mr. Kriegbaum was closed as a result of his compliance.

IN THE MATTER OF CHARLES CULLUM, L.S.

Summary: As previously reported in the Board’s newsletter, the Board received notice of a potential violation of the Board’s rules in the performance of a survey in Cowley County, Kansas, by Mr. Cullum. Following completion of an investigation by the Board, Charles Cullum and the Kansas State Board of Technical Professions entered into a settlement agreement and consent order, the terms of which included a requirement that Mr. Cullum perform a resurvey of the survey in question which would depict all elements necessary to the survey in a manner that would conform with the Kansas minimum standards for boundary surveys and which would correct all deviations from the minimum standards for boundary surveys as noted in the investigative report of the Board’s investigator and further, that Mr. Cullum would pay the Board’s expenses and investigation fees totaling \$1,035.00.

Board Action: Mr. Cullum has now fulfilled all of his obligations pursuant to the Settlement Agreement and Consent Order and the Board at its September 26, 2003, meeting directed that the file be closed.

Report of Alleged Violation Procedure

An important part of being a professional is helping to uphold the high standards of the profession. Webster's Dictionary defines a profession as "a calling requiring specialized knowledge and often long and intensive academic preparation." Similarly, a professional is one who is "characterized as conforming to the technical or ethical standards of a profession." The regard with which a profession is considered is a direct result of the manner in which those professionals engaged in it conduct their practice. With the title of professional comes the often very difficult responsibility of ensuring that the high standards of the professionals are maintained.

The “Rules of Professional Conduct,” K.A.R. 66-6-4(p), states...”Each licensee with knowledge of any

alleged violation of K.S.A. 74-7001 et seq. or the rules and regulations promulgated and adopted by the board shall: (1) report the alleged violation to the board; and (2) cooperate with the board furnishing information or any assistance that may be required.” To make this process easier, the following report of alleged violation form may be used. This use is not mandatory, however, and in many cases a written letter explaining the problem may provide even more information.

Inquiries may be sent to the Kansas State Board of Technical Professions, 900 SW Jackson, Room 507, Topeka, Kansas 66612-1257. It is important that the individual provide his or her name and address, as the Board cannot investigate anonymous inquiries.

KANSAS STATE BOARD OF TECHNICAL PROFESSIONS

REPORT OF ALLEGED VIOLATION FORM

1. Your Name, Address, & Phone Number:

2. Address of the building or project:

3. Name & address of person being reported:

4. Name of owner of project (if known):

5. Name of construction company involved in project (if known):

6. Please describe why you believe there may be a violation of our laws concerning this project:

[illegible]

7. Please provide any other information you believe is relevant to your complaint:

[illegible]

Date: _____ Signature: _____



New Hospital Construction

By Rick Fay, Architect; and Guen Easley, Assistant Attorney General

Hospital facilities must comply with several building, fire and/ or life safety codes which are required by a multitude of authorities having jurisdiction. Compliance can be cumbersome and time-consuming. Rule of Thumb: When there is any question about which code governs, always design and construct buildings using the most restrictive requirements. All hospitals whether accredited or non-accredited must comply with the requirements established by the Center for Medicare/Medicaid Services (CMS) in order to receive federal reimbursements.

Effective September 11, 2003, all NEW hospital construction must comply with the provisions of the 2000 edition of the NFPA 101, Chapter 18 entitled new healthcare requirements.

WAIVER PROCESS
A strict process is imposed for obtaining a waiver from a specific code requirement. After a field life safety code survey identifies a deviation that does not comply with the code, a facility may request a waiver as part of their plan of correction. In order to obtain a waiver from a specific code requirement, the condition must:

- 1) not adversely affect life safety; and
- 2) cause the facility a demonstrated financial hardship to correct

Evidence of both requirements is forwarded to the State Fire Marshal for a recommendation. The recommendation and the plan of correction are forwarded to the regional office of CMS, who in consultation with the main office of CMS, will either grant or deny the waiver.

CMS will grant a waiver for each code deviation on a year to year basis to the building owner or operator who must retain the waiver in his files at the facility. Each year the deviation will be cited and the waiver process repeated.

Hospital architects and designers must comply with all of the new health care requirements of the 2000 Life Safety Code. The State Fire Marshal has the authority to approve alternative methods of construction and alternative designs that are equivalent to and/or comply with the building codes. The alternate methods must be adequately documented on the code footprint submitted to the State Fire Marshal.

The State Fire Marshal reviews only the code footprint. For this reason, the code footprint must list any code deviations or requests to utilize equivalent or alternative methods.



Philip J. Meyer, L.A. Appointed to Board

Philip J. Meyer was appointed as a landscape architect to the Board in September 2003. Mr. Meyer is responsible for managing the landscape architecture and planning department for Baughman Company, P.A., a multi-disciplinary firm in Wichita specializing in engineering, surveying, landscape architecture and planning. He is certified by CLARB and a member of the American Society of Landscape Architects. He is licensed to practice landscape architecture in both Kansas and Missouri.



Board Chair Larry Hole congratulates Executive Director Betty Rose on her 20th anniversary with the State of Kansas.

NCEES Annual Meeting

Wednesday, August 13, 2003, Baltimore, Maryland

ENGINEERS FORUM

The Engineers' Forum was held on Wednesday, August 13, 2003, as one of the opening meetings for the annual meeting of the National Council of Examiners for Engineering and Surveying (NCEES). The Kansas Board was represented by Ken Vaughn, Cecil Kingsley, Tom Mulinazzi, and Larry Hole. The published agenda was as follows, along with a summary of the discussion that was held during the meeting:

I. When and how should Codes be updated on the exams? Should we write our own?

A thorough presentation was made that pointed out the numerous standards that apply in the various areas for examination. Generally, Structural has 12 standards, Transportation has eight Electrical has numerous, Fire Protection Codes include NFPA — 12 volumes, Architectural Engineering Codes and Standards have 33 publications and so on. The point was made that standards and applications vary across jurisdictions and the problems of making the exams fair and thorough are many.

Some jurisdictions limit the number of books that can be taken into an exam. Also, one of the hot topics of the conference began to emerge during this meeting. That topic surrounds exam security and the new and sophisticated ways of compromising the exam questions.

A significant amount of discussion was held concerning what options we have. As example: do we do questions with the references available and eliminate the need for reference materials to be brought to the exam? Should each district issue a condensed code for the exam? Should we continue as is?

Since the exam is to test practice, code application and interpretation is a necessary part of the exam. Therefore, having references available is necessary and the process must be well organized.

II. Should there be a uniform cut score on the morning section of the FE exam?

Significant discussion was also afforded this topic. The general vs. discipline specific testing was discussed and the a.m. and p.m. testing was discussed. Raw score vs. pass/fail was discussed. Uniform cut scores don't seem to be possible because the raw score vs. pass score changes between exam years. Different cut scores for different afternoon modules are also normal. So, uniform cut scores don't seem to be practical.

III. Procedures for declaring a "breach."

Security of the NCEES exams and process are critical to the exam process. A detailed exam security breach flow chart was presented. Any irregularity observed during an exam will trigger the process and, depending on what is happening, the process is very controlled and organized. Breaches can include anything that could compromise an exam or any question on the exam. This could be something as simple as an examinee walking off with an exam, exam books found missing or fraud of some sort. This topic seemed to flow into the discussion of the next item on the agenda.

IV. Exam security. Limiting the number of attempts and instituting a permanent NCEES identification number to all candidates.

It seemed that there was a strong consensus to limit the number of attempts a candidate could make without being required to seek more training or doing something more before being allowed to sit for another examination. The problem of random guessers was discussed along with this topic. The average for random guessing on the exam is approximately 325 each year. This is a direct reflection on the number of people trying to compromise the exam questions each year.

Significant discussion was given to past breaches and how to watch for and help to eliminate future problems. The costs associated with the exam preparation, transportation, security, and administration were made clear and the seriousness of the process was discussed.

One idea surfaced during this forum and was discussed again through out the meetings. The idea of tracking candidates is critical to security. It is important that we know who is taking the exams and who is taking them in multiple jurisdictions. The general consensus was that some sort of number must be assigned to track candidates.

Recommendations of the Exam Security Committee were received. There are three recommendations from the committee:

1. Uniform ID number must be established.
2. Incorporate some sort of three strikes you're out rule.
3. Post ID numbers of random guessers.

V. Update of the status of the switch in exam format.

A brief update was presented about the switch in exam format.

VI. Phase in of the new Structural II format.

We held a discussion of the scoring of the exams. One hundred percent of the exam is objectively scored with exception of the Structural II essay format. All exams are 80 questions — 40 a.m. and 40 p.m. except Environmental which is 50 a.m. and 50 p.m.

VII. ADA and religious accommodations.

The process for providing access and accommodations was discussed. It was interesting to hear the special requests that have been received and how the various boards have tried to help provide access to the exam process. One story involved a person who needed a private room so he could read the exam out loud to himself because he needed to "hear" the question in addition to reading it. A special room was provided only to find out that he was recording the questions. Most requests are innocent and every board tries to accommodate candidates' needs in every way possible. The process for receiving and approving requests was discussed.

MEMBER BOARD ADMINISTRATORS FORUM

The Member Board Administrators met on Wednesday afternoon. Among items discussed were two resolutions, which would be presented to the delegate body concerning activities of this group. Resolutions ask that this group be funded at each Board Presidents' Assembly beginning in 2005 and that NCEES offer formal training to new MBAs periodically.

Several exam related topics were discussed. One was the problem created if ELSESES (NCEES' exam administration service) will not proctor exams for states not using their service. After discussion, staff stated that ELSESES will proctor NCEES exams for all states. They will only proctor state-specific exams for states where they also administer the exam.

Another issue sparking much discussion was the use of calculators at the exams and how to eliminate security problems with calculators. A presentation was made concerning limiting the calculators allowed into the exam room to a small list. This item was to be discussed by the full body of delegates.

The group heard presentations on several topics including a special report on the Annual Survey of Member Boards, ideas to promote licensure to engineering and surveying interns, and presentations by several state administrators on legislative issues they faced during the past year.



Board Members from left: Kenneth Vaughn, P.E., Thomas Mulinazzi, P.E., L.S., Murray Rhodes, L.S., Executive Director Betty Rose, Donald Rathbone, P.E., Cecil Kingsley, P.E., Larry Hole, P.E.

Corporations Certified Between August 16, 2003 and November 10, 2003

Land Surveying		Professional Engineering		Hallberg Engineering	
<u>Name</u>	<u>License #</u>	<u>Name</u>	<u>License #</u>	Newcastle North America, Inc	E-1068
Ruder Engineering & Surveying LLC	LS-162	Hypercomb Engineering Inc	E-1055	BGR Consulting Engineers Inc	E-1069
Professional Surveying Inc	LS-163	Industrial Engineering & Testing Services PC	E-1056	Sawvel and Associates Inc	E-1070
Geology		Custom Engineering Inc	E-1057	Kohrs Lonnemann Heil Engineers PSC	E-1071
<u>Name</u>	<u>License #</u>	Rinkes Inc DBA King & Assoc. Engineering	E-1058	McMullan & Associates Inc	E-1072
Shaw Environmental Inc.	G-68	Lutgen Engineering LLC	E-1059	Ruder Engineering & Surveying LLC	E-1073
Architecture		S.E. Consultants, Inc	E-1060	Applied Ecological Services Inc	E-1074
<u>Name</u>	<u>License #</u>	Tensar Earth Technologies Inc	E-1061	Shaw Environmental Inc	E-1075
Reynolds Knight Eccher Anderson PC	A-529	Brauer Engineering LLC	E-1062	Environmental Structures Inc	E-1076
Cooper Carry, Inc	A-530	M.T. Cole & Associates Inc	E-1063	Sebesta Blomberg & Associates Inc	E-1077
JEK Architects + Engineers Inc	A-531	Reynolds Knight Eccher Anderson PC	E-1064	Paul C. Rizzo Associates, Inc	E-1078
Brown Reynolds Watford Architects Inc	A-532	Advanced Engineering Solutions Inc	E-1065	ATC Group Services Inc	E-1079
		Lee & Baldauf Consulting Engineers Inc	E-1066		E-1080
		O'Neal, Inc	E-1067		

Corporation Changes

An ARE Evolution Is on Its Way! (News Release from NCARB)

Name Change
Atkins Americas, Inc. to The Benham Companies, Inc. (E-783, A-415, G-43)
Burroughs Surveying Corp, P.A. to Taylor Design Group, P.A. (LS-97, E-1046)

Corporation Reinstatements
Bechtel Corporations (E-221)

The National Council of Architectural Registration Boards is pleased to announce coming improvements to the Architect Registration Examination, better known as the ARE. The first of these will be officially implemented in February 2004.

From consolidated content areas to revised testing times, ARE Version 3.0 incorporates a number of evolutionary improvements that were first identified in the *Architectural Practice Analysis Study* conducted during the year 2000. Most importantly, the *Practice Analysis* validated the format and content of the current exam. ARE Version 3.0 acts upon study recommendations that increase the exam’s relevancy. While ARE Version 3.0 is not a major overhauling of the exam, it is an effort to include more recent topics while adjusting the emphasis of focus in other areas.

In order to eliminate redundancy, some ARE content areas are shifting; a few others are being strengthened; and a few new content areas are being introduced. What does this mean for ARE candidates? The most obvious changes are fewer questions in each multiple-choice division and the elimination of two graphic vignettes.

Here is a breakdown of some specific changes included in ARE Version 3.0:

Multiple-Choice Divisions

- Reduction of the overall number of questions in each division
- A better organized content outline for each division, with more consistent titles
- The reintroduction of questions about site design throughout several divisions

- Questions covering new content areas, including “green architecture,” sustainability, and new material technologies
- Renaming the Materials & Methods division Building Design/Materials & Methods to better reflect its expanded scope
- Expansion of practice and project management portions of the Construction Documents & Services division
- A redesigned screen layout that anticipates new types of questions in the future

Graphic Divisions

- Elimination of the Site Section vignette from the Site Planning division
- Elimination of the Block Diagram vignette from the Building Planning division
- Standardizing the sequence of all three graphic divisions by implementing one mandatory 15-minute break between sections of each division
- Elimination of access to the Practice Program at Prometric test centers during the examination reduces the scheduled appointment time
- The Practice Program remains available for downloading from the NCARB web site

The newly revised and updated publication, *ARE Guidelines*, will provide additional details about changes to exam content and administration. The *Guidelines* will be available by mid-October; all currently eligible candidates will receive a copy by mail. Candidates may also download the publication from the NCARB Web site (www.ncarb.org).

PROJECT ENGINEER - ELECTRONICS

Responsible for all phases of designing custom, high performance brushless dc motor controllers and related electronics which are utilized in aerospace and military applications. Design responsibilities will include analog and digital control in addition to analog power circuitry through 15 kw. Familiarity with printed circuit board layout and EMI control techniques helpful. Experience with Pspice, Matlab, Mathcad, Orcad, and AutoCad is preferred, but not required. Interface is required with customers, vendors, and manufacturing personnel. Excellent communication skills required. Position has full technical responsibility for interpreting, organizing, executing, and coordinating projects. Some travel required. A min. of a Bachelor of Science in Electrical Engineering and 5 yrs. of relevant experience is desired. Resumes can be e-mailed to staffing@electromech.com or faxed to 316-941-0728.

An Equal Opportunity Employer

EXAM RESULTS AND NEWLY LICENSED PROFESSIONALS

Landscape Architect Registration Examination

As a result of the June, 2003 exam, the following individuals have passed all sections of the exam, have completed all other requirements and are now licensed.

Name	Home City	State	Name	Home City	State
Jeffrey Alan Best	Wichita	KS	Stephen M. Casey	Lenexa	KS
Darron R. Ammann	Lawrence	KS	Cara Howard	Prairie Village	KS
Lisa A. Buckingham	Wichita	KS	Dirk R. Schill	Wichita	KS

Architect Registration Examination (August 1, 2003-October 31, 2003)

The following individuals have successfully passed all parts of the architect exam and are now licensed.

Name	Home City	State	Name	Home City	State
Kurt Broeckelmann	Roeland Park	KS	Sean E. Willis	Edmond	OK
Justin Eric Graham	Wichita	KS	Michael Longfellow	Manchester	MO
			Gary Michael Mayerle	Overland Park	KS

Calculator Use At Engineering And Surveyor Exams

NCEES Acts To Enhance Examination Security

NCEES News Release – Aug. 27, 2003

Beginning with the April 2004 examination administration, the National Council of Examiners for Engineering and Surveying (NCEES) will begin strictly enforcing materials that are allowed in examination rooms. Calculators with communication or text editing capabilities will be banned from all NCEES exam sites. These include, but are not limited to, the following models:

- Hewlett Packard, HP 48GX (communicating and text editing)
- Hewlett Packard, HP 49G (text editing)
- Texas Instruments, TI-83 Plus and TI-83 Plus Silver Edition (text editing)
- Texas Instruments, TI-89 (text editing)
- Texas Instruments, TI-92 and Voyage 200 (text editing and QWERTY keypad)

NCEES Exam Policy 15 prohibits devices or materials that might compromise the security of the examination or examination process. It has been determined that certain models of calculators might have been previously allowed in NCEES examination sites that provide communication capability through the use of infrared technology or through the use of cards that enable communication via radio transmission. In many cases, these models may also afford a text editing capability that enables the user to enter and store information in the calculator’s memory.

City of Olathe, Kansas Requires Construction Documents for One and Two Family Dwellings be Sealed by a Registered Design Professional

The following is a copy of the City of Olathe “New One - and Two - Family Dwellings Plan Requirement Checklist” that became effective July 1, 2003. This requires all construction documents for one and two family dwellings be sealed by licensed design professionals.

Therefore, if you design and prepare construction documents for one and two family dwellings in the City of Olathe and place your seal on them, the Board has jurisdiction over the use of the license. Please review and comply with the requirements of the City of Olathe.

Important Announcement

Effective July 1, 2003, the City of Olathe, Development Services Department will require that all new one and two family dwelling plans submitted for permits meet new requirements. These requirements can be obtained from the Code Enforcement Division office, found online at our web site www.olatheks.org (Planning and Development/City Codes/Recent Updates) or field inspectors who visit your site.

- All plans shall be prepared in accordance with the 2000 International Residential Code, in accordance with Section R106. *(See Amendments to 2000 International Residential Code on web site/Recent Updates section)*
- All approved, stamped plans must be available for reference on each job site.
- Master Plan files may be submitted and established for frequently built designs. Foot print and square footage must not deviate from recorded plan.
- Previous plans established with the city are now null and void for any future construction after July 1. Resubmit this plan (meeting all new criteria) and a new number will be assigned.

The implementation of the above should benefit the builders, citizens and the city staff. Our objectives are:

- To improve structural aspects of home construction
- To improve tracking of locations and approvals of concealed structural elements
- To reduce construction delays due to rejections and engineer analysis requirements
- To reduce man-hours lost to repeat call backs and rejections

Any technical questions may be directed to the Code Enforcement Office, Plans Examiner, Phone No. (913) 971-8574 or 8575.

City of Olathe, Kansas Development Services Department New One- and Two-Family Dwellings Plan Requirements Checklist Effective July 1, 2003

Minimum Number of Plans:

- Provide two sets of building plans (plot plan, foundation, architectural) drawn to scale (1/4” or 1/8” per foot); minimum 18”x24” for new buildings and a minimum 11”x24” for additions.
- Provide two plot plans. Scale: 1”=20 Feet or 1’=1/16” minimum. Preferably on 8-1/2”x14” paper when able to accommodate. Local survey engineers have our requirements.

Design Professional Certification Submitted:

- The construction documents shall be prepared and sealed by a registered design professional. *(An individual who is registered or licensed to practice their respective design profession as defined by the statutory requirements of the professional registration laws of the state (metro Kansas City area) or jurisdiction in which the project is to be constructed.)*
- **Plan Revisions:** Supplemental plans may be required based on design changes, alternate materials, plan omissions, or site conditions. A minimum of two copies of plan revisions are required to be submitted for review and approval. Revisions must be submitted by a registered design professional.

Foundation Plan:

- Detailed sealed plans by a registered design professional required for alternates to 2000 International Residential Code - Chapter 4. *(Contractor must provide City-stamped foundation plan on site at the time of footing and pier inspections.)*

Floor Plans Indicating Minimum Submittal Requirements:

- Provide a plan view of each floor with dimensions and use of each room.
- Indicate the total square footage of each floor level including the basement.
- Provide structural framing plan details (see Structural Details).
- Provide location of egress windows, apply Section R310 Amended.

- Windows - Note locations where safety glazing is required.
- Stairs - Note required rise and run and stair headroom (minimum 6’8”).
- Dwelling Unit Separations - Note 2-hour separation location, construction and listing; also note 1-hour construction and listing for wall construction within 3 feet of property lines.
- Garage/Dwelling Unit Separations - Note details of construction location - minimum 1/2” gypsum board garage side.

Roof Plans Indicating Minimum Submittal Requirements:

- Provide roof framing plans
- Provide structural framing plan details (see Structural Details).

Exterior Elevations Indicating Minimum Submittal Requirements:

- Exterior Balconies - Framing details noted on plans.
- Decks - Note framing details for decks exceeding a height of 30” above grade at any point. For other than columns and beams, construction can be noted as complying with the City Residential Deck Ordinance.
- Wall Bracing - Show details per Section 602.10.

Structural Details:

- Load paths and load bearing walls identified from roof to foundation.
- Live loads for roof, attics, floors, balconies, and decks.
- Roof design Dead load (specify roof coverings).
- Design specifications for structural and framing members.
- Lumber sizes, spacing, and design specifications.
- Truss shop drawings and location plans sealed by design professional.
- Special fasteners, wind bracing, bolting, or other special connection details.
- Beam, header, column, cantilevers, and other special framing design specifications and details.
- Engineered design and calculations provided for any structural concrete floors over usable space.
- Note 2x4 bearing walls exceeding 10 feet in height (design calculations required).

Records Program Expedites Licensure by Comity

Perhaps in a perfect world, the professional engineering license would function much like a U.S. driver's license. Having passed the Principles and Practice of Engineering (PE) examination and met other licensure requirements, licensed engineers could practice anywhere in the United States. For engineers looking to expand their services to clients beyond state boundaries, the reality is far more complex. College transcripts, verification of exam passage and current license status, documentation of professional work experience, and references are all required elements for securing licensure in states across the country. Assembling and submitting these documents is a time-consuming task, and yet multiple-jurisdiction licensure is becoming more and more necessary in our increasingly mobile society.

To expedite the process of getting licensed in multiple jurisdictions, the National Council of Examiners for Engineering and Surveying (NCEES) has established the Council Records Program. If you're an engineer or land surveyor licensed in at least one U.S. jurisdiction, this program can save you time and paperwork in obtaining licensure in additional states. A completed Council Record includes a concise report of education, experience, professional references, exam results, and licensure status - all verified by NCEES and available to licensing boards through an electronic network. When you need licensure in another jurisdiction, a copy of your Council Record can be transmitted to that jurisdiction's licensing board.

"Licensure by comity" is a term you've probably come across if you have considered multiple-jurisdiction licensure. All states grant licenses to previously licensed individuals by either comity or reciprocity. Comity, by far the more common practice, means that the state recognizes your status as a professional engineer (P.E.) and exempts you from some of the red tape you'd have to go through if you were not a P.E. Reciprocity means that you are automatically recognized as a professional engineer in one state by virtue of your licensure in another. Because comity is practiced by most states, the NCEES Records Program was established primarily to facilitate licensure by comity.

For Denney Pate, senior vice president and principal bridge engineer with Figg Bridge Engineers, Inc. (FIGG) in Tallahassee, Florida, having an NCEES Record has saved significant time and duplication of effort. "Multi-state licensure is critical to FIGG engineers because we design bridges in several states, and our professional engineers need to be licensed in the applicable state to be able to sign and seal plans," he says. "I completed my Council Record in 1999, and since then I've secured P.E. licenses in Ohio, Illinois, New York, Pennsylvania, and (pending) Kentucky, using the convenience of my Council Record."

Judith Nitsch, president of Judith Nitsch Engineering, Inc., of Boston, has also found her Council Record to be an invaluable tool for working across state lines. "I became registered as a professional civil engineer in Massachusetts in 1980," she says. "When I joined a firm in 1982, the firm's president asked me to get my professional civil engineer license in all of the New England states. I applied for several of them individually - that included getting my original exam results, college transcripts, references, etc., forwarded to each state as well as completing each individual state's application. During that process, I learned about NCEES and completed the paperwork necessary to create a Council Record. Having that Record made it so much easier to get the other registrations I needed."

"Soon after that I started doing engineering projects around the country and used NCEES to get licensure in about a dozen other states," Nitsch continues. "Just last month I used NCEES to get my Virginia registration. The small amount of paperwork and minimal fee to keep my NCEES Record up-to-date are well worth the time savings when trying to get licensed in other states."

Tom Jackson, vice president of DMJM+HARRIS of New Orleans, and president of the American Society of Civil Engineers, has held an NCEES Record since 1979.

He has used the Records Program to get registered in Texas, Mississippi, Alabama, and Florida. "I think I speak for most engineers when I say that trying to hustle transcripts from people with busy schedules and getting people to fill out reference forms is a real pain," he says. "That's why the electronic transfer of records is such a great feature of the Records Program. It eliminates those things that take a lot of time and are beyond your control. When you establish a Council Record, you do the work once and that's the last time you'll ever have to do it. If you're pursuing work in other areas and need to be licensed in those areas, the Records Program is invaluable."

The first step toward creating a Council Record is to get an application form from NCEES. You'll provide NCEES with records of your education, work experience, and licensing information as well as five references with knowledge of your engineering reputation. The application process takes two to three months to complete. Each year, you'll receive a renewal form for reporting current information about the past year's activities and an updated reference form.

Charges associated with establishing an NCEES Council Record include a \$150 application fee (or \$100 if you've been a professional engineer or land surveyor for less than a year), \$60 to transmit your active Record to other states, and \$25 to renew your Record each year. These fees are subject to change, so refer to the NCEES Web site, www.ncees.org, for updated information.

Once you've made the initial investment of time, effort, and money to establish a Council Record, there will be no need to duplicate efforts each time you apply for licensure in another jurisdiction. "Having that Record is like money in the bank," as one engineer put it. The NCEES Record contains transcripts, registration information, professional references, and work experience - all in one convenient packet. When you need to get licensed in another state, NCEES transmits a copy of your Record to the appropriate licensing authorities with your written release. Your Council Record is a secure document: it can't be released without your consent, and it cannot be released to any other agency or person.

Many engineers holding a Council Record particularly appreciate having a concise report of their work experience that they can refer to even 10 or 20 years down the road. "This is a wonderful feature of the Council Record," says Peggy Abshagen, Executive Director of the Delaware Association of Professional Engineers and an NCEES Board Administrator. "Newly licensed engineers can authenticate and update their work experience in a permanent record for use over a lifetime. It's always available in one place, sparing Record holders from the chore of personally tracking their work history over their entire career. Without a doubt, an NCEES Record is an excellent tool and a worthy investment."

An important component of the NCEES Records Program is the Model Law Engineer (MLE) designation, which NCEES developed in 1995 to further simplify and streamline multiple-state licensure for engineers. Most states have adopted all or parts of the NCEES Model Law, which is a set of "guidepost" engineering licensing laws. "The Model Law Engineer designation is determined through the NCEES Records Program," explains Pam Powell, NCEES Records Program manager. "If an individual meets all the criteria, MLE designation is indicated in their Record and the state can expedite the application for licensure." For a Model Law Engineer, turnaround time for

licensure is usually within one to two weeks.

To attain MLE status, applicants must meet four criteria: 1) They must hold an engineering degree accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET); 2) They must have passed the NCEES Fundamentals of Engineering (FE) and Principles and Practice of Engineering (PE) exams; 3) They must have completed four years of acceptable engineering experience from confirmation of a bachelor of science degree in an engineering curriculum to the present; 4) Their licensure must be clear of any disciplinary action.

Another much-appreciated advantage of the Records Program is speedier license approval. "A Council Record speeds the application approval process tremendously in the majority of licensing jurisdictions," says Abshagen. "I've been told that some can even turn around an approval in 24 hours! Here in Delaware, we're not quite that magical, but the NCEES Record saves our staff the time-consuming task of verifying an applicant's credentials."

"We can often issue a license to a Council Record holder much more quickly than to a non-Record holder," adds NCEES Board Administrator Mark Jones, Executive Director of the Ohio Professional Engineer/Professional Surveyor Board. "In Ohio, an application without an NCEES Record takes 60 to 90 days to process, while an application from an NCEES Record holder takes 30 days. If the applicant is a Model Law Engineer, we can process the application in less than a week."

NCEES Board Administrator David Curtis, Executive Director of the Idaho Board of Registration of Professional Engineers and Professional Land Surveyors, can also attest to the time savings afforded by an NCEES Council Record. "One of my major functions is to conduct preliminary reviews of license applications," he says. "If we receive an application from someone who doesn't have a Council Record, we first have to wait for at least five reference letters, at least one letter of verification of examinations, and at least one transcript from a college or university. When these documents arrive, my staff has to open and collate them. If the applicant is a Council Record holder, none of those things are necessary because the Council Record already contains that information, which is transmitted to us electronically. We appreciate the Council Record because it is well organized and easy to understand and it comes from a recognized and reliable source."

An important point to remember is that having a Council Record facilitates licensure by comity, but it doesn't guarantee licensure in another jurisdiction. While NCEES serves as a centralized record-keeping service, granting licensure is a function of each licensing board. "There is a misconception I've come across, that the Council Record gives you automatic licensure in any state, and that's not true," explains Peggy Abshagen. Applicants are still required to meet a state's licensure requirements and complete at least part of that state's application. As well, a few states may require additional information to supplement the NCEES Council Record. All states, though, accept some aspects of the Council Record, and most accept all aspects. For detailed information about what each jurisdiction requires, contact NCEES or your state board.

Although a Council Record does not completely eliminate the need for paperwork, it does significantly streamline the application process for engineers whose services are needed beyond state borders. "I've always been a big supporter of the Records Program," says Tom Jackson. "I tell everyone I can about it. It's the best thing for responding to the needs of engineers who are becoming increasingly mobile."

Reprinted from February 2003 issue of National Council of Examiners for Engineering and Surveying (NCEES) Licensure EXCHANGE.

If you're an engineer or land surveyor licensed in at least one U.S. jurisdiction, the Records Program can save you time and paperwork in obtaining licensure in additional states.

An important point to remember is that having a Council Record facilitates licensure by comity, but it doesn't guarantee licensure in another jurisdiction.

PURPOSE

The purpose of this Council shall be to provide an organization through which state boards may act and counsel together to better discharge their responsibilities in regulating the practice of engineering and land surveying as it relates to the welfare of the public in safeguarding life, health, and property. The Council also provides such services as may be required by the boards in their mandate to protect the public. Constitution Article 2, Section 2.01



ADDRESS CHANGE NOTIFICATION
MANDATORY

This newsletter is being mailed to you at the address on file at the board office. If you move and do not notify the board office, you will not receive this newsletter, and you may be in violation of the Board's statutes.

According to K.S.A. 74-7025, "The licensee shall notify the board in writing of any change of the licensee's address within 30 days after the date of such change." Please use the following change of address form to report any changes to your home or business addresses.

CHANGE OF ADDRESS FORM

NAME _____

PROFESSION _____

LICENSE NO. _____

OLD ADDRESS-HOME _____

OLD ADDRESS-BUSINESS _____

NEW ADDRESS-HOME _____

NEW BUSINESS NAME & ADDRESS _____

PREFERRED MAILING ADDRESS:

HOME _____ BUSINESS _____

CUT & MAIL TO:
Kansas State Board of Technical Professions
900 SW Jackson, Suite 507
Topeka, KS 66612-1257

CONTINUING EDUCATION OFFERINGS

Feb. 9 - May 3, 2004, 4-6 p.m., Kansas City, MO
Professional Development Series
Spon: The Department of Civil, Environmental, & Architectural Engineering, 9400 Ward Parkway, Kansas City, MO. Contact: Carol Jo Sloan, (785) 864-3766. Key faculty: Stan Rolfe. Aud: Professional Engineers. Twelve weekly topics covering current issues in the practice of civil, environmental, and architectural engineering will be presented by faculty members of the University of Kansas for professional development credit for professional engineers. Fee: \$50/session. Deadline: None.

Feb. 26-April 1, 2004, 6:30-9:30 p.m., Overland Park, KS
Civil PE Exam Review Course
Spon: The University of Kansas School of Engineering & Continuing Education, 1515 St. Andrews Dr., Lawrence, KS 66047-1625. Contact: Mary Heberling (785) 864-3969, e-mail mheberling@ku.edu. Aud: Engineers taking PE exam. Civil PE Exam Review Course...KU will offer a live 11-session PE review course for Civil Engineers. Classes will start Feb. 26, 2004, with two per week until April 1. Sessions will be Mondays and Thursdays from 6:30-9:30 p.m. in Overland Park. For more information go to <http://www.kuce.org/app/civeng/perc> or call 785-864-3969. Fee: \$599. Deadline: Feb. 20, 2004.

Home Study
Load & Resistance Factor Design for Highway Bridges-The Video Version of the Live Course
Spon: The University of Kansas School of Engineering & Continuing Education, 1515 St. Andrews Dr., Lawrence, KS 66047-1625. Contact: Mary Heberling (785) 864-3969, e-mail mheberling@ku.edu, www.kuce.org. Aud: Engineers and their supervisors. A 28-hour training course in a set of 14 video tapes with a two-volume set of reference notes. Each tape includes two 50-minute sessions plus questions and answers. This course is for the professional using the specifications as well as the supervisor who evaluates those designs. A must for every library! Watch whatever section you are interested in whenever and where ever it's most convenient for you. Fee: \$895 per set includes reference notes and shipping. Additional copies of reference notes \$75 per set. Deadline: N/A. Contact hours: 28.

Lawrence, KS & Kansas City, MO
Civil, Electrical & Manufacturing short courses & conferences
Spon: The University of Kansas School of Engineering & Continuing Education, 1515 St. Andrews Dr., Lawrence, KS 66047-1625. Contact: Mary Heberling (785) 864-3969, e-mail mheberling@ku.edu, www.kuce.org. Aud: Engineers interested in civil, electrical & manufacturing logistical topics. Short courses offered in How to Lay Out a Warehouse & other logistic topics; video tape course on LRFD for Highway Bridges; Civil Engineering PE Exam Review course; conferences on Asphalt Paving, Structural Engineering, Environmental Engineering and Transportation Safety; In-house training developed for clients as requested. Fee: Varies. Deadline: Varies. Contact hours: 6-35.

Online PDH courses at <http://www.PDHcenter.com>
Approved Online Continuing Education for Professional Engineers, Land Surveyors and Architects
Spon: PDH Center, 2410 Dakota Lakes Dr, Herndon, VA 20171-2995. Contact: Dr. John Huang, PE (703) 478-6833, info@PDHcenter.com. Key Faculty: Dr. John Huang, PE. Aud: Professional Engineers, Land Surveyors and Architects. PDHcenter.com offers a convenient, efficient and affordable way to earn PDH units online for your license renewal. Our website features more than 300 online courses, free content download, unlimited quiz access and instant certificate of completion. Now you can save 20% on all PDH courses by entering coupon code "PDH5431" when ordering. Offer expires 4/30/05. For complete course listing, visit <http://www.PDHcenter.com>. Fee: Varies. Deadline: None. Contact hours: Varies.